USB2.0

JetFlash™

Software User's Guide

(Version 1.2)

Transcend

Exceeding Your Expectations

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Introduction

Congratulations on purchasing Transcend's **JetFlash™**. This small device is designed for the easy transfer and storage of huge amounts of data and information between it and any desktop or notebook computer that has a USB port. With a higher storage capacity and much faster data transfer rates, the **JetFlash™** is perfect for storing and transferring your files, folders, documents, photos and other personal digital content. In addition, the **JetFlash™**'s small convenient size, superior data retention, and impressive appearance will provide you with a brand-new data storage experience. Please read this Software User's Guide in detail to get the most from your **JetFlash™**.

Safely Removing Your JetFlash™

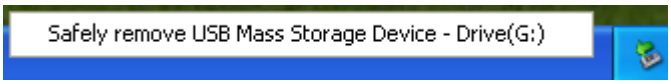
Remove the JetFlash™ in Windows® 98SE

Unplug the **JetFlash™** from your system directly when data is not transferring.

Remove the JetFlash™ in Windows® Me, 2000 and XP

1. Select the icon on the system tray.

2. The **Safely remove Hardware** pop-up menu will appear. Select it to continue.



3. A message box will appear stating: **"The 'USB Mass Storage Device' device can now be safely removed from the system."**

WARNING! To prevent data loss, always use this procedure to remove the JetFlash™ from Windows® Me, 2000 and XP.

Remove the JetFlash™ in Mac™ OS 9.0, or Later and Linux™ Kernel 2.4.2, or Later

Drag and drop the Disk icon corresponding to your **JetFlash™** into the trashcan, then unplug your **JetFlash™** from the USB port.

Driver Installation

Driver Installation for Windows® 98SE

1. Put the Software CD into the CD-ROM (Auto-Run supported). Select the **Win98 Driver** button.

> **WARNING! Please ensure you install the driver before plugging in your JetFlash™.**

2. The InstallShield Wizard will guide you through the installation process.

Driver Installation for Windows® Me, 2000 and XP

No drivers are required. These Windows operating systems have built-in drivers to support the **JetFlash™**. Simply plug the **JetFlash™** into an available USB port and Windows will install the files needed to use your device. A new **Removable Disk** drive with a newly assigned drive letter will appear in the **My Computer** window.

Driver Installation for Mac™ OS 9.0, or Later

No drivers are required. Just plug the **JetFlash™** into an available USB port and your computer will automatically detect it.

Driver Installation for Linux™ Kernel 2.4.2, or Later

No drivers are required. Just plug the **JetFlash™** into the USB port and mount it.

Example:

1. First create a directory for the **JetFlash™**

   mkdir /mnt/jetflash

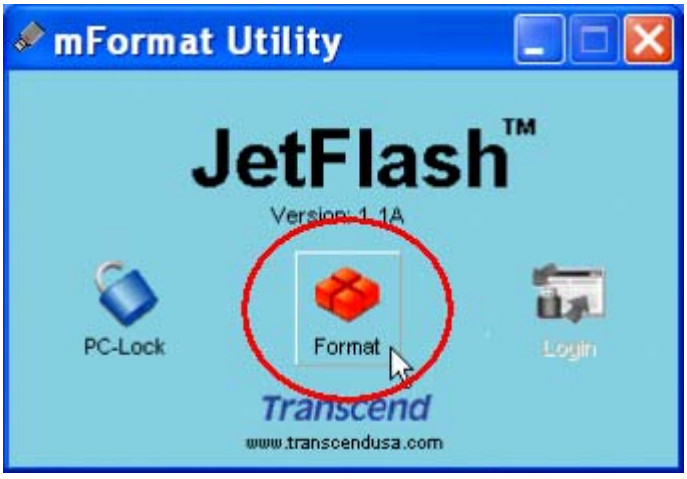
2. Mount the **JetFlash™**

   mount –a – t msdos /dev/sda1 /mnt/jetflash

Software Utility Installation

1. Put the Software CD into the CD-ROM (Auto-Run supported). Plug your **JetFlash™** into an available USB port and select the **mFormat Utility** button for your **JetFlash™**.

2. Follow the on-screen instructions to complete installing the **mFormat Utility**. Once the **mFormat Utility** has finished installing the **mFormat Utility** Menu Window will appear.



3. You must select the **Format** button to install the **mFormat Utility** executable file on your **JetFlash™**.

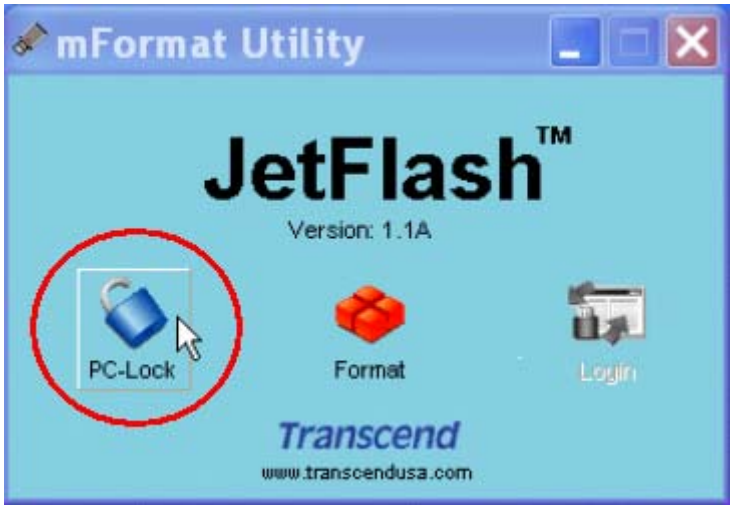
PC-Lock Function

Once the PC-Lock function is enabled, you can use your **JetFlash™** as a key to lock your computer, protecting it from use by others.

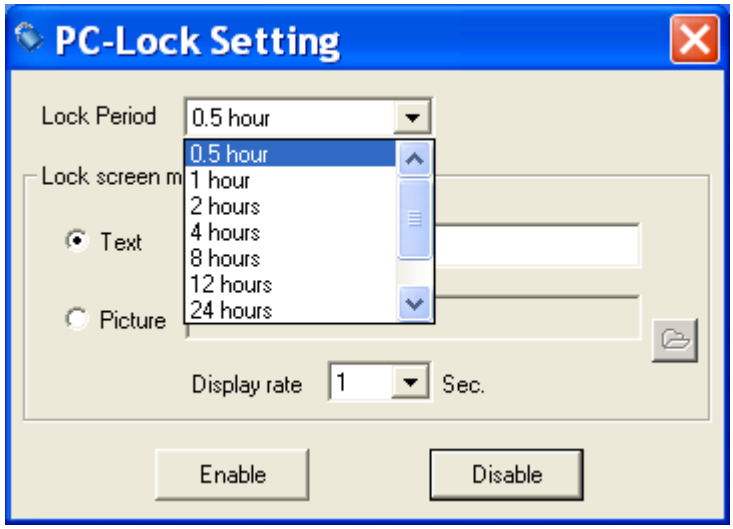
- ❖ The PC-Lock function is not supported in the Mac™ or Linux™ Operating Systems.
- ❖ To use the PC-Lock function, you must log in to the Windows OS with **Administrator** rights.

PC-Lock Function for Windows® 98SE, Me, 2000 and XP

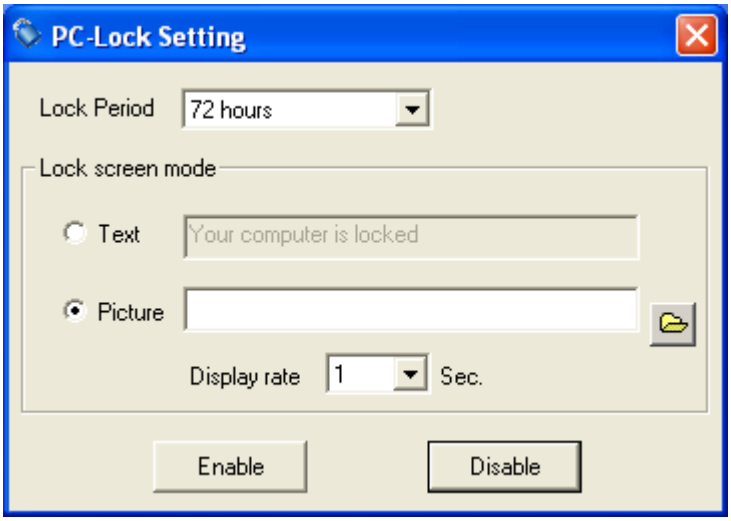
1. Select the **PC-Lock** button in the **JetFlash™ mFormat Utility** window.

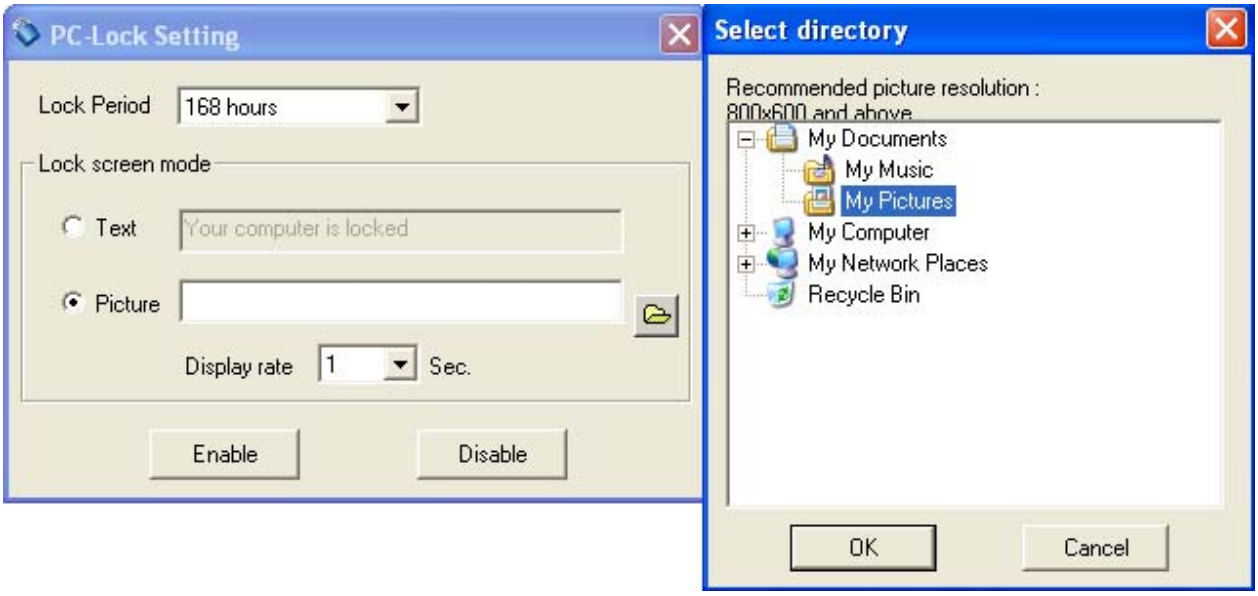


2. The **PC-Lock Settings** window will appear. Please choose the period of time you wish to lock the computer for by selecting a time in the **Lock Period** drop down window.



3. Next, in the **Lock screen mode** choose whether you wish to have **Text**, or a **Picture** of your choice displayed as a screen saver, while the computer is locked.





4. Click on the **"Enable"** button to activate the **PC-Lock**.

Lock Your Computer

After the **PC-Lock** function is enabled, your computer will be locked whenever you remove your **JetFlash™**. If your computer is locked, the screen will indicate the locked status as **Text**, or a **Picture** screen saver.

Unlock Your Computer

To unlock your computer, you must re-insert your **JetFlash™**. The locked status on the screen will disappear and you are now free to use your computer. The computer's locked status will also be relinquished automatically after the specified lock period has expired.

Boot-Up Function

If you are using Windows® 98SE, Me, or XP❖ the **JetFlash™** can be configured to serve as an MS-DOS Boot Disk. Upon completion of this procedure, the **JetFlash™** can be used to boot-up your computer, allowing you to run MS-DOS programs. This does not make the **JetFlash™** a Rescue Disk for Windows, nor does it put Windows Startup files onto your **JetFlash™**. After booting with **JetFlash™**, if you wish to enter Windows, you must start Windows from your hard drive, or a previously created Rescue Disk.

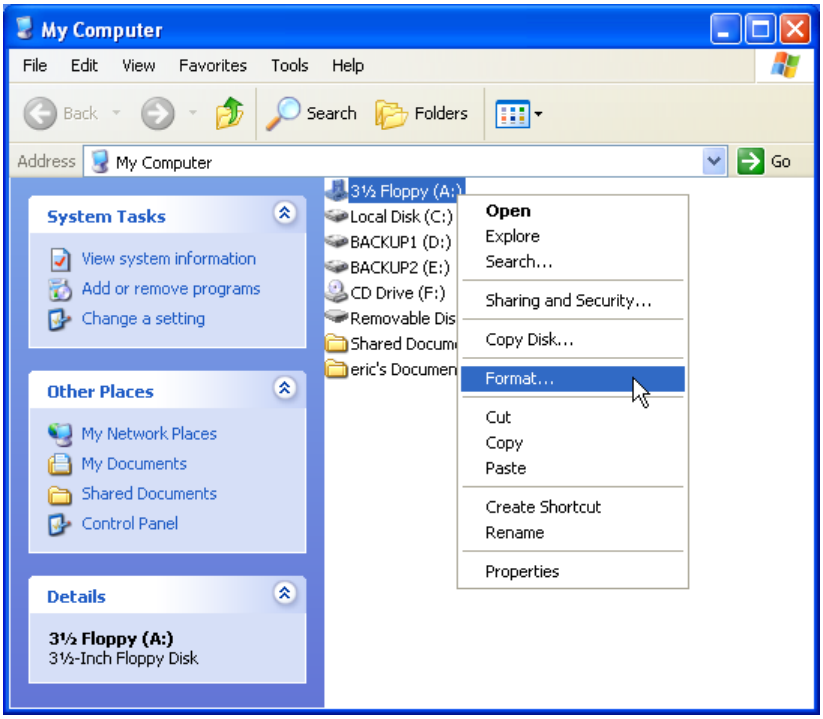
❖ To use the Boot-Up function, you must log in to the Windows OS with **Administrator** rights.

❖ A maximum capacity of 512MB is reserved for the **Boot-Up** disk sector in **USB-ZIP** and **USB-HDD** formats.

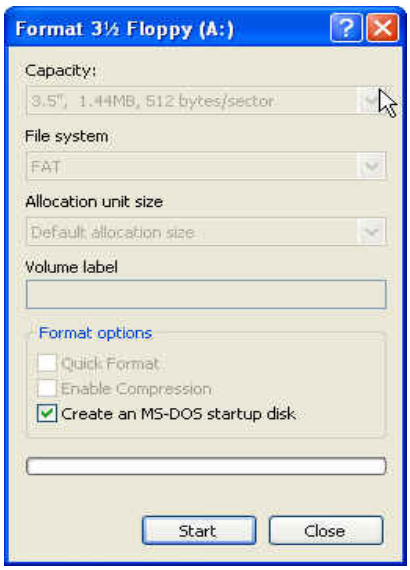
❖ To use the **JetFlash™** as an MS-DOS Boot Disk for Windows® XP requires you to create a Floppy Disk (A:) MS-DOS Startup Disk. The XP Operating System (OS) will only recognize the **JetFlash™** as an MS-DOS Boot Disk when it is used in conjunction with the Floppy Disk. Please see the instructions below for creating a Boot-Up Disk for Windows® XP.

Create a Boot-Up Disk for Windows® XP

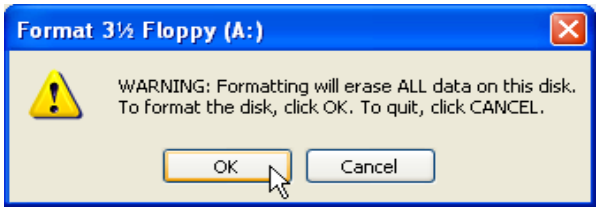
1. Insert a **new, blank** floppy disk into the Floppy Disk Drive (A:). Go to the **My Computer** window and right click on the **Floppy Disk**（**A:**） icon. Select **"Format…"** in the pull-down menu.



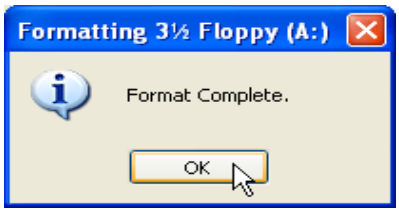
2. Select **Create an MS-DOS startup disk** then click **"Start."**



3. Click on the **"OK"** button to confirm that you want to format the Floppy.


Format 3½ Floppy (A:)
WARNING: Formatting will erase ALL data on this disk.
To format the disk, click OK. To quit, click CANCEL.
OK
Cancel

4. Select **OK** to complete formatting the Floppy disk.



5. You must use this Floppy Disk in conjunction with the **JetFlash**™ when you want to Boot-Up a computer that is running Windows® XP.

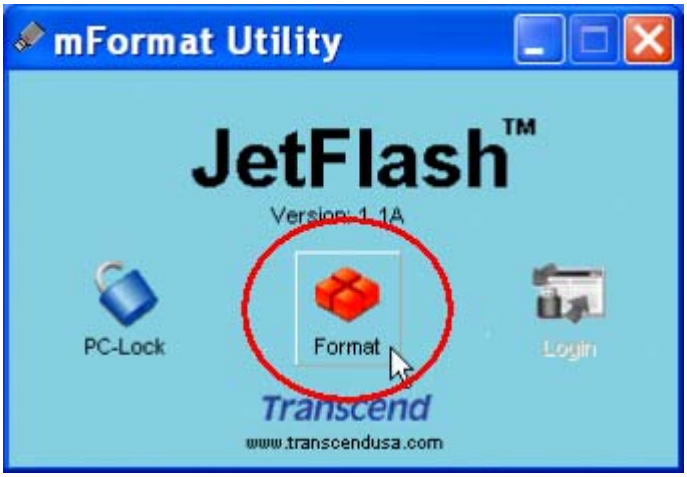
System Requirements for the Boot-Up Function

- A desktop or notebook computer that supports **USB-ZIP**, or **USB-HDD** as the **First Boot Device** in **BIOS**
- A computer running Windows® 98SE, Me, or XP
- Any anti-virus applications that may be running in the background must be turned off

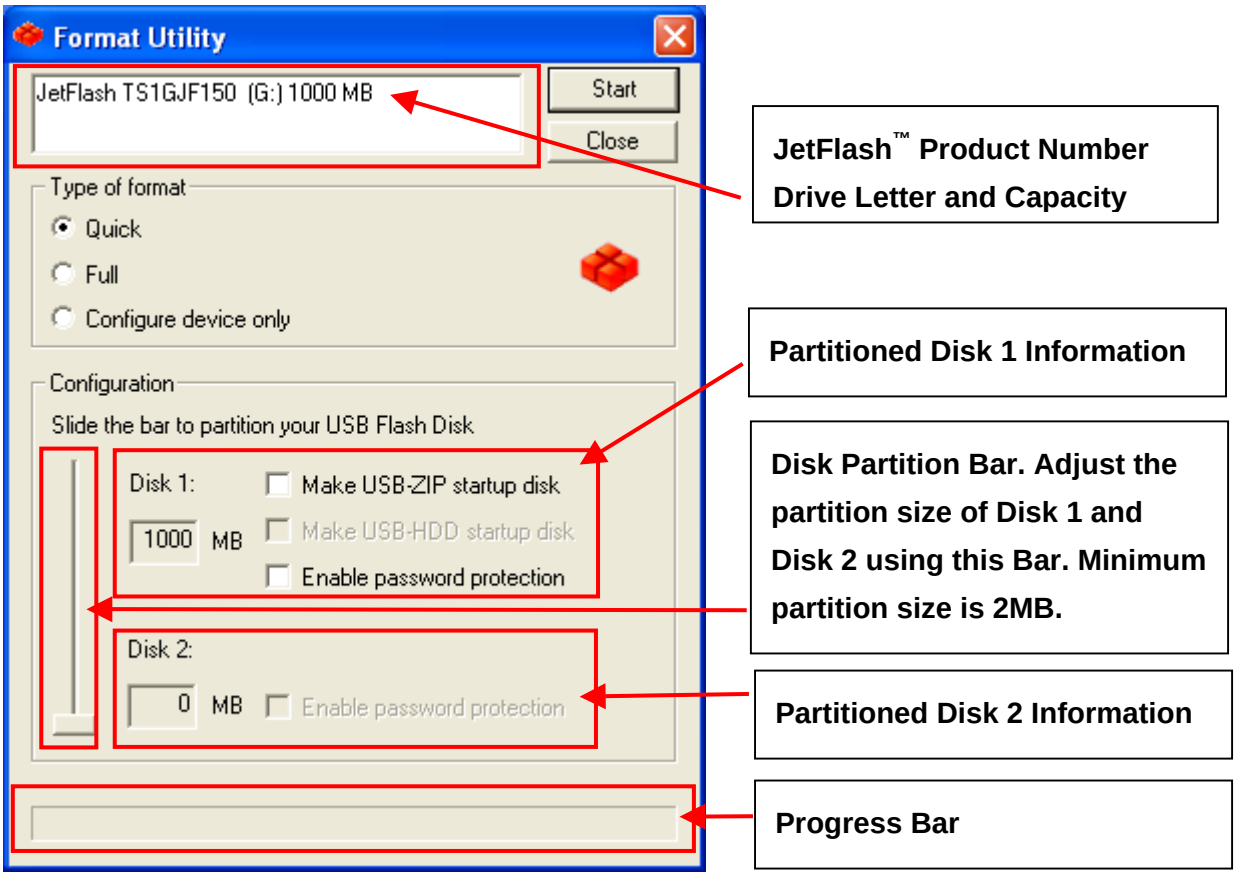
Enabling the Boot-Up Function

1. In order to enable the **Boot-Up** function you must select the **"Format"** button in the **JetFlash**™ **mFormat Utility** window.

WARNING! Formatting the Disk will erase all of the data on your JetFlash™



2. The following **mFormat Utility** window will appear providing you with a number of options regarding the formatting and configuration of your **JetFlash™**.



Type of Format

You have the option of performing a **Quick**, or **Full** format, or you may choose to just configure the **JetFlash™**.

Quick: Scan all memory blocks on the Flash Disk. If there are bad memory blocks, mark them as bad and perform a DOS format.

Full: Perform a Surface Scan on the Flash Disk that involves a Read/Write check. A Read/Write check will create a report on any bad memory sector blocks. If there are bad memory blocks, it marks them as bad and performs a DOS format.

Configure device only: This option partitions the **JetFlash™** and sets up Password Protection and Boot-Up information. A USB disk DOS format will be executed.

❖ The **Configure device only** option cannot be setup in password protection.

WARNING! Formatting the Disk will erase all of the data on your JetFlash™

Configuration

The **JetFlash™** can be configured using the **Format Utility** to **Partition** the disk, **Make a USB-ZIP startup disk**, **Make a USB-HDD startup disk** and **Enable password protection**.

Partitioning the JetFlash™: The **JetFlash™** can be partition into two separate disks using the mouse to control the disk partition bar.

Make USB-ZIP startup disk: Choosing this option allows the **JetFlash™** to be used as a device that will Boot-Up a computer in **USB-ZIP** mode. Provided the memory capacity of the disk is set to at least 2MB, the **Format Utility** will copy the necessary startup and Boot-Up files to the **JetFlash™**.

Make USB-HDD startup disk (Windows® 98SE only):

Choosing this option allows the **JetFlash™** to be used as a device that will Boot-Up a computer in **USB-HDD** mode. Provided the memory capacity of the disk is set to at least 2MB, the **Format Utility** will copy the necessary startup and Boot-Up files to the **JetFlash™**.

Enable password protection: Choosing this option will partition the **JetFlash™** into two disks. **Disk 1** will become a public disk and **Disk 2** will become a password protected private secure disk.

Partitioning the JetFlash™

Your **JetFlash™** can be partitioned into two disks using the disk partition bar. The bar balances out the space available on each of the disks and is controlled using the mouse. You can decide to have one single partition, or two independent partitions on your **JetFlash™**. Once you decide how you would like to partition your **JetFlash™** you can choose to format the **JetFlash™** as a **USB-ZIP**, or **USB-HDD startup disk**.

Create a single Partition:

To create a single partition on the **JetFlash™** use your mouse to move the disk partition bar to the bottom of the slider until **Disk 2** reads 0MB.

Create two Partitions:

To partition the **JetFlash™** into **Disk 1** and **Disk 2** use your mouse to move the disk partition bar

on the slider until **Disk 1** and **Disk 2** read the desired memory capacity sizes.

- In order for Windows® 2000 to recognize **Disk 2** of the partition you must be running Windows® 2000 SP4 (Service Pack 4) on your computer.
- Mac™ users must be running Mac™ OS 10.1.5, or later to recognize the partitioned drive.
- MS-DOS will only recognize **Disk 1** after booting from the **JetFlash™**.
- If the **Enable password protection** option is selected, **Disk 1** will be designated a public disk space and **Disk 2** will become a private disk space with password protection after the **JetFlash™** has been formatted.

Configuring the JetFlash™ as a USB-ZIP startup disk:

1. Select a **Type of format, Quick**, **Full**, or **Configure device only**.
2. Select the **Make USB-ZIP startup disk** option in **Disk 1**.
3. Click on the **"Start"** button to begin formatting the **JetFlash™**.

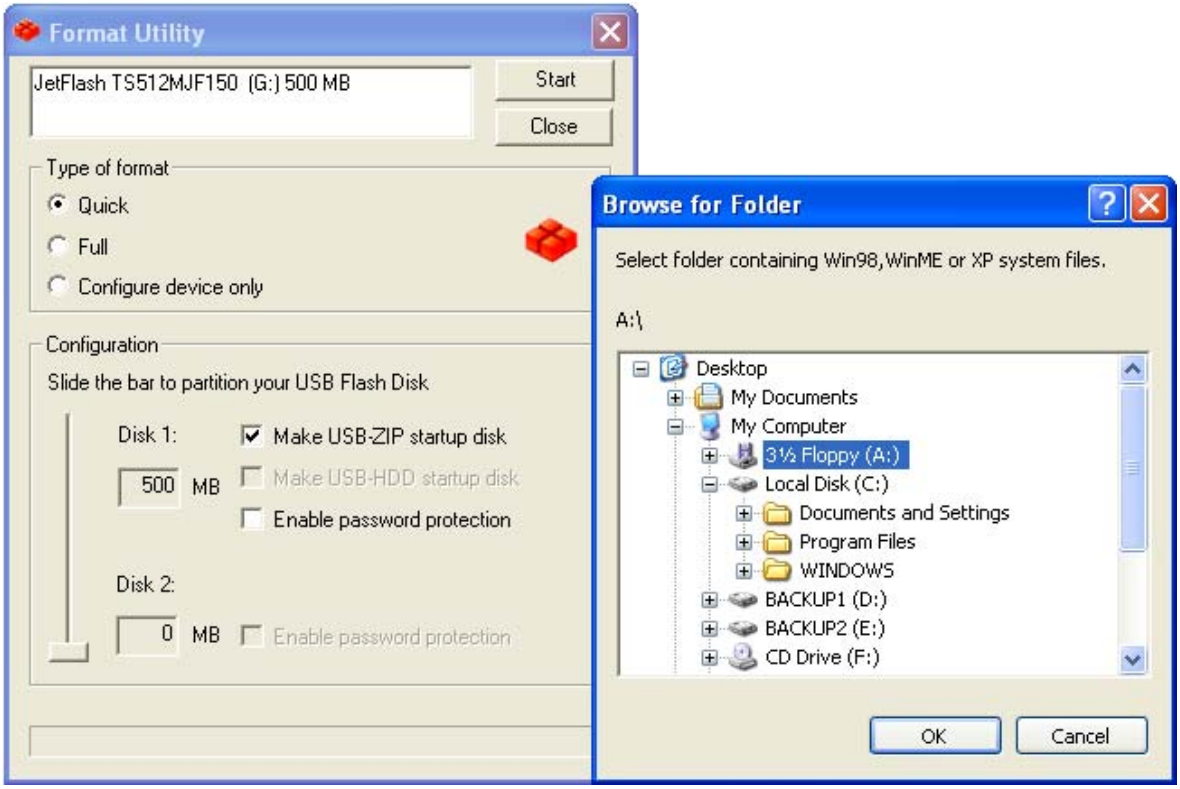


Figure 1. Single Partition Screen

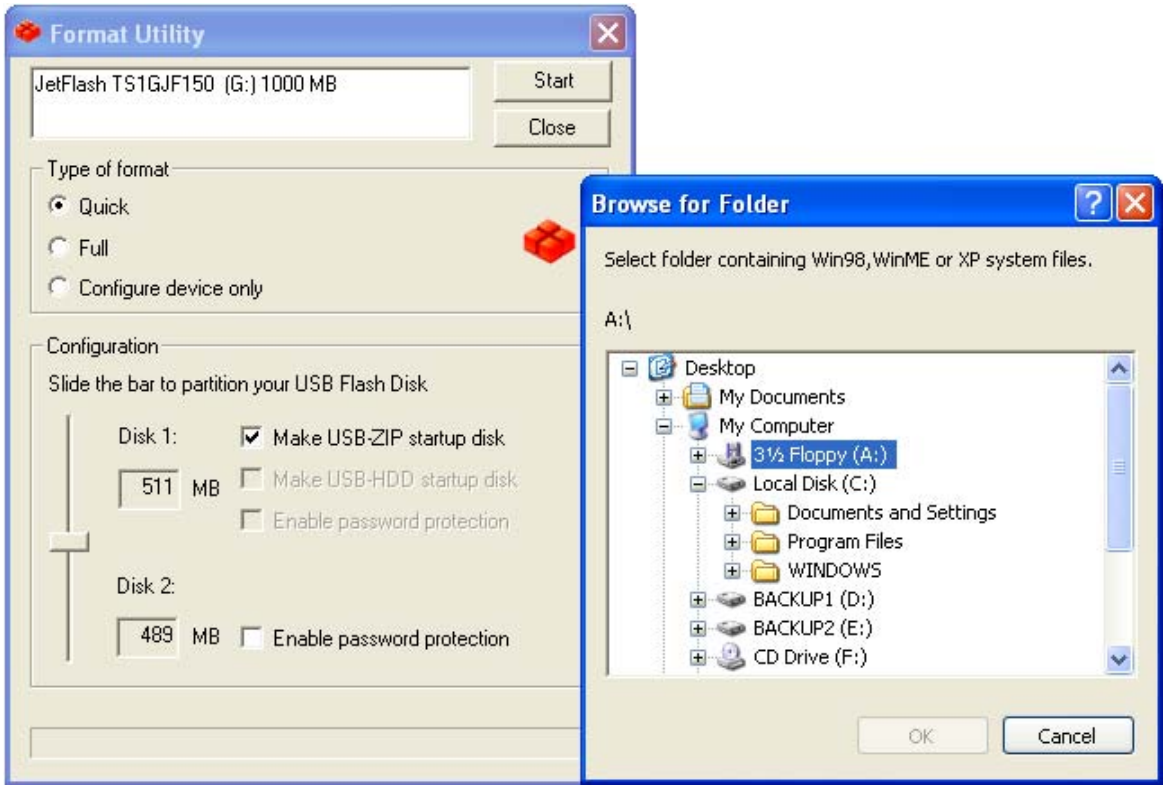


Figure 2. Two Partitions Screen

4. After the format process is finished unplug the **JetFlash™** from the computer. In order for the new **USB-ZIP startup disk** settings to take effect you must re-insert the **JetFlash™** and enter the **BIOS** setup by restarting the computer (please refer to your computer user's manual on how to enter the BIOS).

5. Once you are in the **BIOS** go to the **Advanced BIOS Features** menu and change the **First Boot Device** setting to **USB-ZIP**. Select **Save & Exit Setup** and when you are prompted to **SAVE to CMOS and EXIT (Y/N)?** type **"Y"** on the keyboard and press **"Enter."**

Your **JetFlash™** and system are now set up, so that your **JetFlash™** can be used to Boot-Up your computer. When using your **JetFlash™** to Boot-Up your computer the disk will be assigned a drive letter **"A:\>,"** if your computer has a floppy drive the letter **"B"** will be used.

❖ As part of the **USB-ZIP startup disk** setup process Boot-Up files were placed on the **JetFlash™**, please do NOT delete, or move these files, otherwise the **JetFlash™** will not be able to function as a startup disk.

Configuring the JetFlash™ as a USB-HDD startup disk (Windows® 98SE only):

1. Select a **Type of format, Quick**, **Full**, or **Configure device only**.

2. Select the **Make USB-HDD startup disk** option in **Disk 1**.

3. Click on the **"Start"** button to begin formatting the **JetFlash™**.

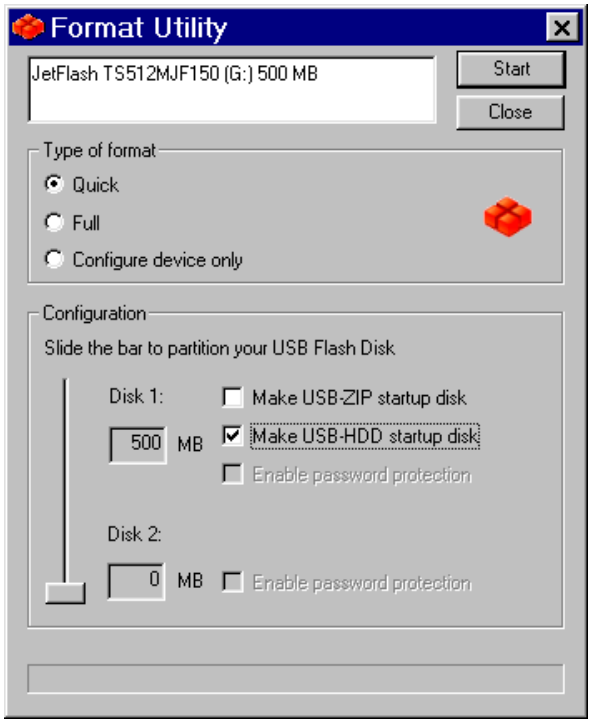


Figure 3. Single Partition Screen

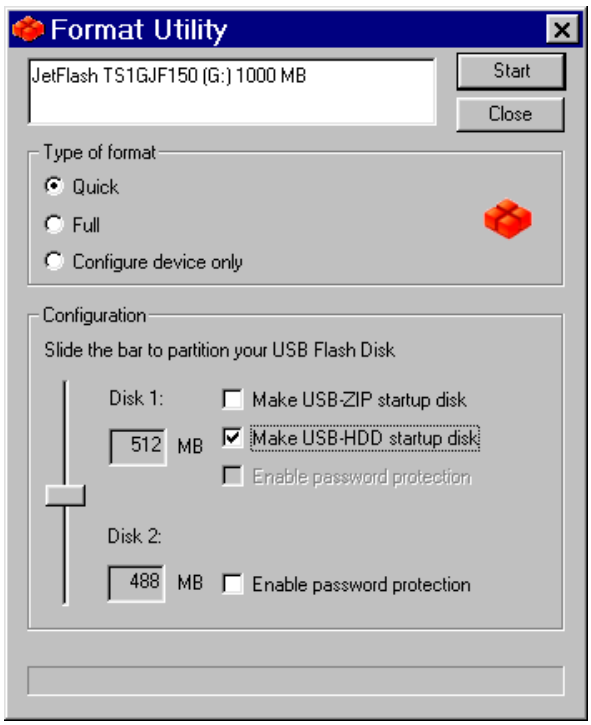


Figure 4. Two Partitions Screen

4. After the format process is finished unplug the **JetFlash™** from the computer. In order for the new **USB-HDD startup disk** settings to take effect you must re-insert the **JetFlash™** and enter the **BIOS** setup by restarting the computer (please refer to your computer user's manual on how to enter the BIOS).

5. Once you are in the **BIOS** go to the **Advanced BIOS Features** menu and change the **First Boot Device** setting to **USB-HDD**. Select **Save & Exit Setup** and when you are prompted to **SAVE to CMOS and EXIT (Y/N)?** type **"Y"** on the keyboard and press **"Enter."**

Your **JetFlash™** and system are now set up, so that your **JetFlash™** can be used to Boot-Up your computer. When using your **JetFlash™** to Boot-Up your computer the disk will be assigned a drive letter **"C:\>**,**"** if your computer has a hard drive the letter **"D"** will be used.

- As part of the **USB-HDD startup disk** setup process Boot-Up files were placed on the **JetFlash™**, please do NOT delete, or move these files, otherwise the **JetFlash™** will not be able to function as a startup disk.

- You can only choose the **Enable password protection** option if the **JetFlash™** has been configured into two partitioned disks.

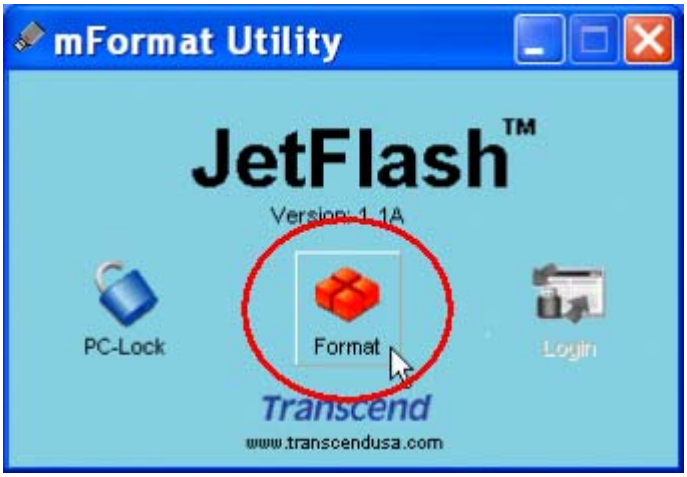
Security Function

Mac™, or Linux™ Operating Systems do not support this feature.

Enabling the Security Function in Windows® 98SE, Me, 2000 and XP

1. In order to enable the **Security** function you must select the **"Format"** button in the **JetFlash™ mFormat Utility** window.

WARNING! Formatting the Disk will erase all of the data on your JetFlash™



2. Select a **Type of format, Quick**, **Full**, or **Configure device only**.

Type of Format

You have the option of performing a **Quick**, or **Full** format, or you may choose to just configure the **JetFlash™**.

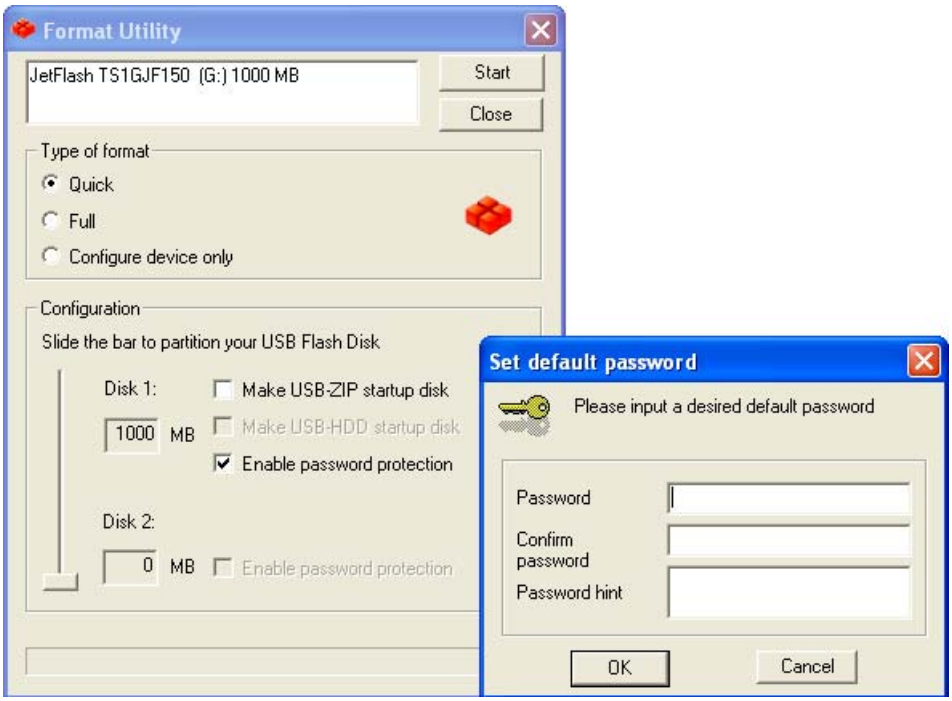
Quick: Scan all memory blocks on the Flash Disk. If there are bad memory blocks, mark them as bad and perform a DOS format.

Full: Perform a Surface Scan on the Flash Disk that involves a Read/Write check. A Read/Write check will create a report on any bad memory sector blocks. If there are bad memory blocks, it marks them as bad and performs a DOS format.

Configure device only: This option partitions the **JetFlash™** and sets up Password Protection and Boot-Up information. A USB disk DOS format will be executed.

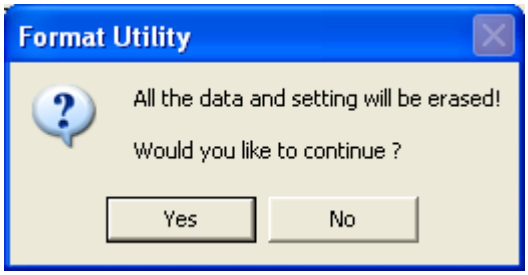
❖ The **Configure device only** option cannot be setup in password protection.

3. Select the **Enable password protection** option in **Disk 1**.

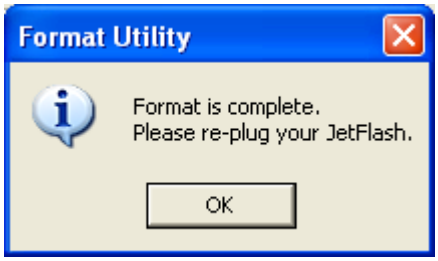


4. The **Set default password** window requires you to input a **Password**, **Confirm password** and **Password hint** (a reminder, if you ever forget your password). Click on the **"OK"** button to continue.

5. A final warning message will appear advising you that all the data on your **JetFlash**™ will be erased once you choose to format the disk. Click on the **"OK"** button to continue, or **"Cancel"** button to suspend the process.

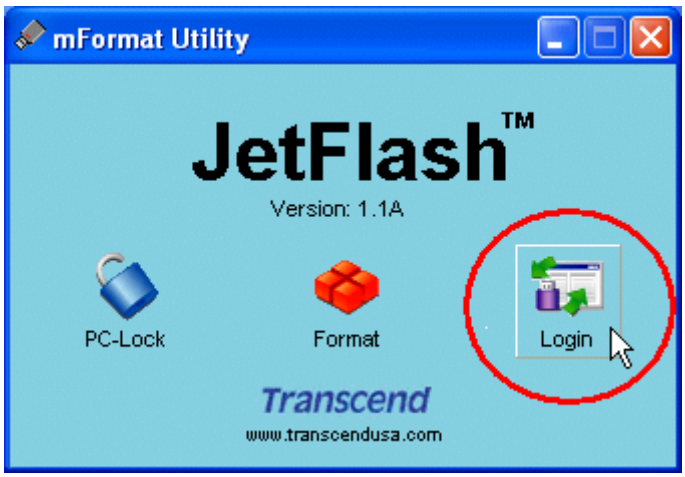


6. A message will appear to inform you that the formatting of the **JetFlash**™ has finished, unplug the **JetFlash**™ from the computer and re-insert to complete setting up the **Security Function**.

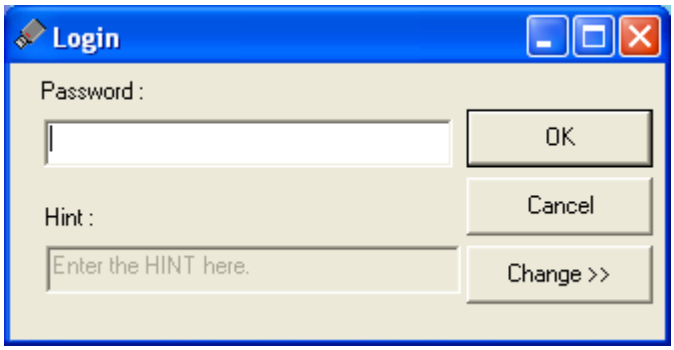


Using the JetFlash™ Security Features

1. Plug the **JetFlash™** into your computer and start the **mFormat Utility** application. Click on the **"Login"** button.

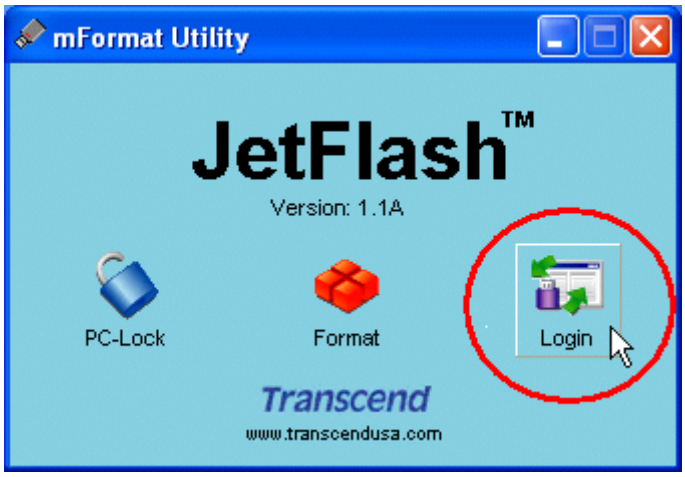


2. The **Login** window appears and you must input the correct **Password** to enter the secure **JetFlash™** area. Click on the **"OK"** button to continue.



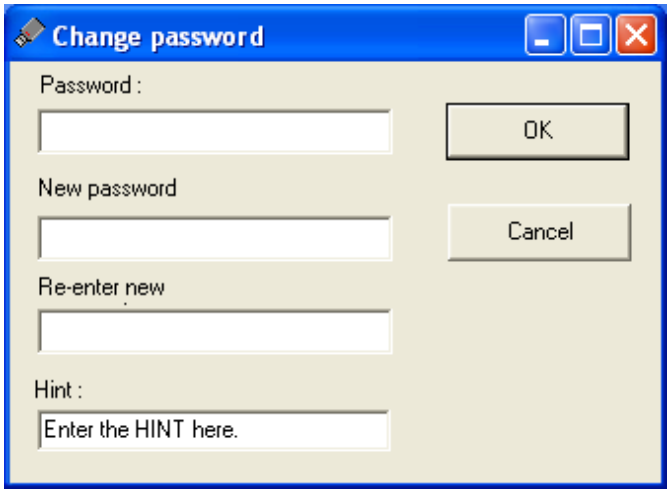
Changing the Password

1. Plug the **JetFlash™** into your computer and start the **mFormat Utility** application. Click on the **"Login"** button.



2. The **Login** window appears, Click on the **"Change"** button to continue.

3. The **Change Password** window will appear and prompt you to enter the **Password** (current), **New password**, **Re-Enter new password** and if desired a **Hint**.



4. Click on the **"OK"** button to complete changing the password settings.

If you Forget the Password

If you forget your password, you can use the password hint to try and remember it. However, if you cannot recall the password using the password hint, then you will have to run the **Format Utility** program and reformat the **JetFlash™**. If you previously created a partition on the **JetFlash™** you will have a chance to make a backup copy of the data stored on the public disk before re-formatting the **JetFlash™**.

WARNING! Formatting the Disk will erase all of the data on your JetFlash™

Recover Your JetFlash™

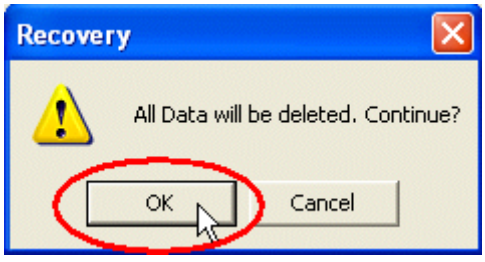
WARNING! Using the Recovery Function will erase all of the data on your JetFlash™

If your **JetFlash™** ever stops working properly, or locks up and cannot be used even after removing and reinserting it into the computer, you can use the **Recovery** program to restore the unit's default settings. Before using the **Recovery** function, please read the following sections carefully.

- The Recovery function is not supported on Mac™ or Linux™ Operating Systems.
- To use the Recovery function, you must log in to the Windows® OS with **Administrator** rights.
- Running the **Recovery** program will erase all of the data on your **JetFlash™**.
- If there are bad memory blocks on the flash memory chip of the JetFlash, the memory size of the JetFlash will be smaller, than the original memory size after running the **Recovery** program.

1. Put the Software CD into the CD-ROM (Auto-Run supported). Plug your **JetFlash™** into an available USB port and run the **Recovery.exe** program on the CD-ROM.

2. Formatting the Disk will erase all of the data on your **JetFlash™.**



3. Re-insert the **JetFlash™** after the recovery is finished.

Troubleshooting

If an error occurs with your **JetFlash**™, please first check the information listed below before taking your **JetFlash**™ for repair. If you are unable to remedy a problem from the following hints, please consult your dealer, service center, or local Transcend branch office. Transcend also provides an FAQ and Support service on our websites.

Software CD cannot auto-run in Windows

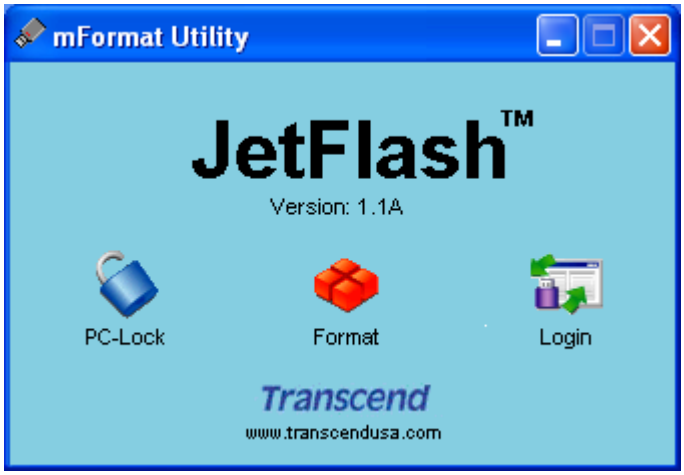
Enter **Device Manager** in the **Control Panel** and enable the **Auto-Insert** function of the CD-ROM drive.

Operating system cannot detect the JetFlash™

Check the following:

1. Is your **JetFlash**™ properly connected to the USB port? If not, unplug it and plug it in again.
2. Is your **JetFlash**™ connected to the Mac™ keyboard? If yes, unplug it and plug it into an available USB port on your Mac™ Desktop instead.
3. Is the USB port enabled? If not, refer to the user's manual of your computer (or motherboard) to enable it.
4. Have the necessary drivers been installed? If your computer is using Windows® 98SE, you must use the Software CD to download the driver, please refer to the "**Driver Installation for Windows® 98SE**" section to complete the driver installation before using your **JetFlash**™. A driver is not required for Windows® ME/2000/XP, Mac™ OS 9.0 or later, or Linux™ Kernel 2.4.2 or later.

Cannot execute the mFormat Utility



You must be logged in to the computer you are using with Administrator rights in order to use the **mFormat Utility.** If you want to access the security functions of your **JetFlash**™ , you must execute the mFormat utility at least once.

JetFlash™ permanently stops working

If your **JetFlash™** ever stops working properly, or locks up and cannot be used even after removing and reinserting it into the computer, you can use the **Recovery** program to restore the unit's default settings.

WARNING! Using the Recovery Function will erase all of the data on your JetFlash™

Experiencing problems using the mFormat Utility in Windows® 2000

Please ensure you are using Windows® 2000 SP4 (service pack 4). If you do not want to upgrade to SP4, please install the application **InstallDriver.exe** on the Software CD in the folder CD-ROM\Utility\upgrade.